NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-C1 Date: 19-01-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**265min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.19%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.75 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout Main Road

Page No. 1/1,

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-PCC1 **Date: 19-01-2021**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.70	0 -20	30- 70
10mm	31.45	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.70	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	89.25	60-95	75-100	85-100	
01.18	73.05	30-70	55-90	75-100	
600.mic	44.80	15-34	35-59	60-79	
300.mic	23.15	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-C2 **Date: 25-01-2021**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.05 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Poojamahalakshmi Layout 2nd Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-PCC2 Date: 25-01-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.35	0 -20	30- 70
10mm	28.15	0 -5	10- 35
4.75mm	3.70	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.70	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.25	60-95	75-100	85-100	
01.18	76.35	30-70	55-90	75-100	
600.mic	45.65	15-34	35-59	60-79	
300.mic	23.10	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Poojamahalakshmi Layout 2nd Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CE1 Date: 30-01-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	163 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.86 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.94 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.55 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 1st Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-FA1 **Date: 30-01-2021**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**94.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.25**	60-95	75-100	85-100	
01.18	**75.05**	30-70	55-90	75-100	
600. mic	**46.65**	15.34	35-59	60-79	
300.mic	**22.45**	5-20	8-30	12-40	
150.mic	**5.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.66 %**	-----
2	Silt Content	----	**0.59%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 1st Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CA1 **Date: 30-01-2021**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.25	85-100	90 - 100
10 mm	45.60	0 - 20	25 - 55
4.75 mm	3.85	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	26.49%	Not to exceed 25 %
2.	Crushing value	28.76%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Balaji Layout Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-SSM1 **Date: 03-02-2021**

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1375.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.42 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Chamundi Layout Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-SSM2 **Date: 05-02-2021**

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1390.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.39 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Poojamahalakshmi Layout 2nd Main Road

Page No. 1/1,

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-SSM3 Date: 08-02-2021

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1385.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Poojamahalakshmi Layout 1st Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-SSM4 Date: 12-02-2021

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1395.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	0.38 %	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Balaji Layout Main

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK -SB1 Date: 09-02-2021

1. TEST REPORT ON PRE -CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 150 X 200	**Solid**	60000	275	4.58	
2	,,	,,	60000	255	4.25	4.41
3	,,	,,	60000	265	4.41	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Chamundi Layout 1st Cross Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-SB2 Date: 12-02-2021

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/mm^2**	**Average Compressive Strength N/mm^2**
1	400 X 150 X 200	**Solid**	60000	270	4.50	**4.49**
2	,,	,,	60000	280	4.66	
3	,,	,,	60000	260	4.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK –SB3 Date: 15-02-2021

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 150 X 200	**Solid**	60000	275	4.58	
2	,,	,,	60000	265	4.41	**4.41**
3	,,	,,	60000	255	4.25	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Chamundi Layout 3rd Cross Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK –SB4 **Date: 18-02-2021**

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/mm^2**	**Average Compressive Strength N/mm^2**
1	400 X 150 X 200	**Solid**	60000	285	4.75	**4.58**
2	,,	,,	60000	265	4.41	
3	,,	,,	60000	275	4.58	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout 4th Cross Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK –SB5 **Date: 22-02-2021**

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/mm^2**	**Average Compressive Strength N/mm^2**
1	400 X 150 X 200	**Solid**	60000	255	4.25	**4.38**
2	,,	,,	60000	270	4.50	
3	,,	,,	60000	265	4.41	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Chamundi Layout 7th Cross Road A

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CB1 **Date: 25-02-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	18-02-21	25-02-21	07	22500	300	13.33	**13.41**
	002	"	"	"	"	295	13.11	
	003	"	"	"	"	310	13.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout 1st Cross Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CB2 **Date: 27-02-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-02-21	27-02-21	07	22500	305	13.56	**13.78**
	002	"	"	"	"	315	14.00	
	003	"	"	"	"	310	13.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout Main Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CB3 **Date: 02-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-02-21	02-03-21	07	22500	320	14.22	**13.93**
	002	‘’	“	‘’	“	305	13.56	
	003	‘’	“	‘’	“	315	14.00	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 3rd Cross Road

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-CB4 **Date: 05-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-02-21	05-03-21	07	22500	325	14.44	13.85
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	310	13.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 3rd Cross Road A

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